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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,819	01/23/2004	Tao Deng	H0498.70130US01/TJO	5026
75	590 06/14/2006		EXAMINER	
Timothy J. Oyer, Ph.D.			DUDA, KATHLEEN	
Wolf, Greenfiel 600 Atlantic Av	ld & Sacks, P.C.		ART UNIT PAPER NUMBEI	
Boston, MA (02210		1756	
			DATE MAILED: 06/14/2000	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
Office Action Summany	10/763,819	DENG ET AL.				
Office Action Summary	Examiner	Art Unit				
	Kathleen Duda	1756				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING E - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 136(a). In no event, however, may a replication of the community of	TION. be timely filed from the mailing date of this communicated DONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 01 /	May 2006.					
	<u> </u>					
3) Since this application is in condition for allows	ance except for formal matters	s, prosecution as to the merits	is			
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 1	1, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>16-29</u> is/are pending in the application	on.					
4a) Of the above claim(s) <u>16-22</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>23-29</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/	or election requirement.					
Application Papers						
9) The specification is objected to by the Examin	er.					
10) The drawing(s) filed on is/are: a) acc	cepted or b) objected to by	the Examiner.				
Applicant may not request that any objection to the	e drawing(s) be held in abeyance	. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	ction is required if the drawing(s)	is objected to. See 37 CFR 1.121	(d).			
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached C	office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	n priority under 35 U.S.C. § 1	19(a)-(d) or (f).				
 Certified copies of the priority documen 	ts have been received.					
Certified copies of the priority documen	ts have been received in App	lication No				
Copies of the certified copies of the price	ority documents have been re	ceived in this National Stage				
application from the International Burea	, , , , , , , , , , , , , , , , , , , ,					
* See the attached detailed Office action for a list	t of the certified copies not re	ceived.				
Attachment(s)	_					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Sum Paper No(s)/N	mary (PTO-413) lail Date				
Paper No(s)/Mail Date 4 122 (0 1	5) Notice of Info 6) Other:	mal Patent Application (PTO-152)				

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DETAILED ACTION

1. Claims 16-29 are pending in this application.

Election/Restrictions

2. Applicant's election with traverse of Group III, claims 23-29 in the reply filed on May 1, 2006, is acknowledged. The traversal is on the ground(s) that all of the groups can be searched and examined together without undue burden on the examiner. This is not found persuasive because some of the claims do not require photolithography.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

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4. Claims 23-29 are rejected under 35 U.S.C. 102(a) as being clearly anticipated by Deng et al. ("Fabrication of Metallic Microstructures Using Exposed, Developed Silver Halide-Based Photographic Film").

Deng et al. Teach a process of fabricating metallic microstructures by exposing and developing a photographic film followed by electroless and electrochemical plating. See Figure 1, page 646 and page 647 "Methods of Fabrication". The claimed process is taught by Deng et al.

5. Claims 23, 26 and 27 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Lyman (US Patent 2,854,386).

Lyman teaches a process of forming a silver image and then electroplating the image. See claim 1. Lyman does not teach electroless plating recited by other claims of the present application.

Conclusion

6. Any inquiry concerning this communication should be directed to Examiner K. Duda at (571) 272-1383. Official FAX communications should be sent to (571) 273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff, can be reached at 571-272-1385.

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Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kathleen Duda Primary Examiner Art Unit 1756